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JOURNAL

of A

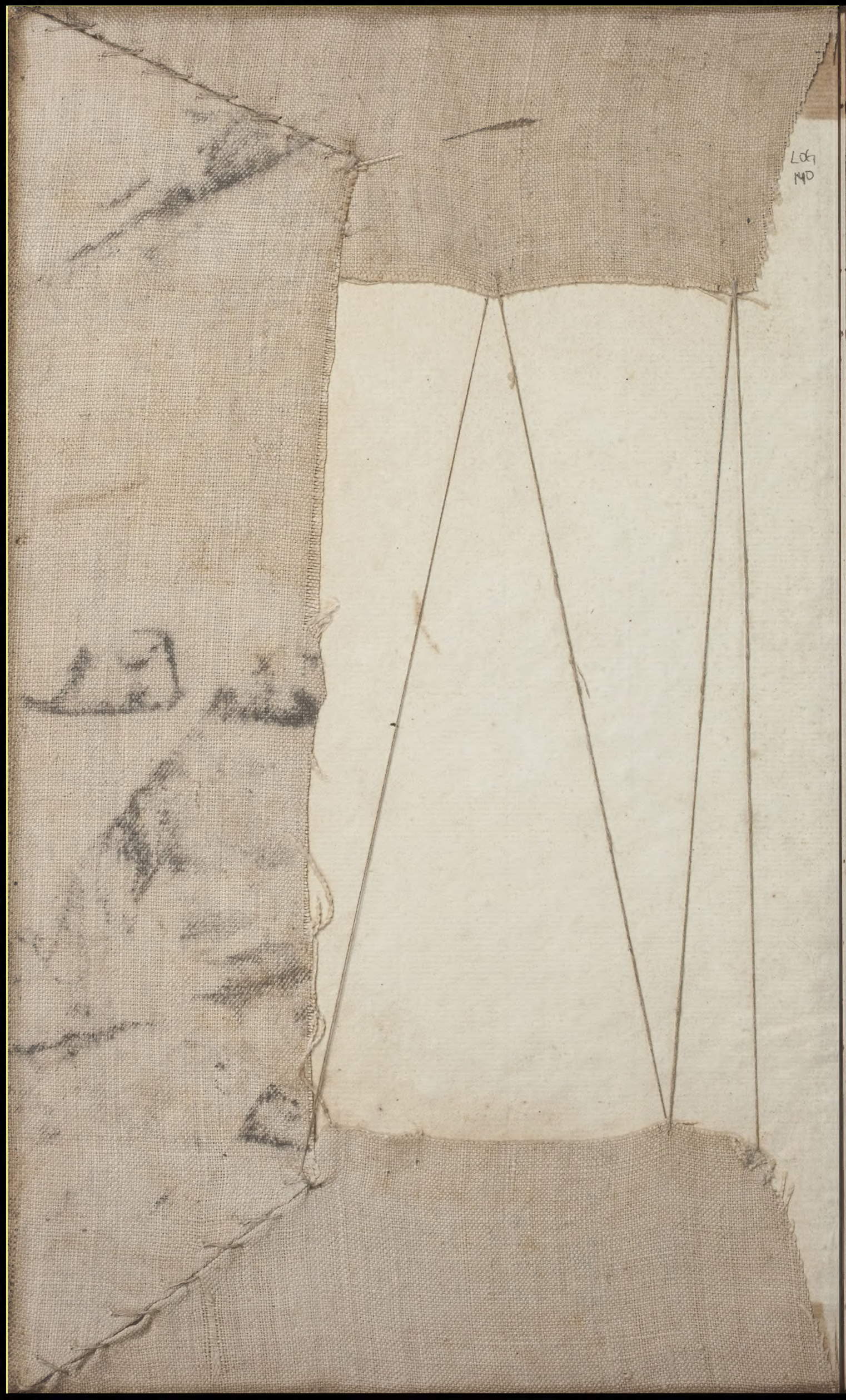
VOYAGE FROM

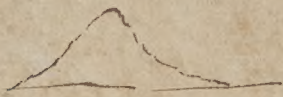
Chilem to Canton

and back

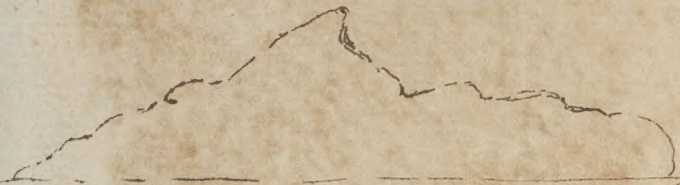
Boston.

207





Gasper Island Dist 25 miles.



Gasper Island Dist 6 miles.

The pan of Mantanzas. is high land a little rounding on top. bring it to bear S by E and it shows two hills one to the Eastward & the other to the Westward.

<i>from</i>						<i>towards</i>
H.	K.	H.K.	Courses.	Winds	L. W.	Remarks
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.

H.	K.	H.K.	Courses.	Winds.	L. W.	Remarks
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
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6						
7						
8						
9						
10						
11						
12						
Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.

Journal of a Passage.
from
Rio Grande towards the River
began Feb'y 9th 1822
and
terminated
in the
Brig Chase of Salem.
Phillip P. Pinel. Capt.
and kept by
J. B. Pale.

Brig Chase from Rio Grande towards Havana.

H.	K.	H. K.	Courses.	Winds.	L. W.	Remarks on Saturday Feby 9 th 1822.
1						begins with fine weather
2						
3						
4						At 6 a.m. the Pilot came
5						on board. Unmanned ship. & set
6						sail with a fine Breeze.
7						
8						
9						At 10 the pilot left us.
10						
11						5 sail in sight bound out.
12						
1						At 11 set all steering sails.
2						
3						
4						
5						At Meridian the tower at the Bar
6						bore N.W. by W. Dist 8 miles.
7						
8						
9						Ends with pleasant weather.
10						And light wind.
11						
12						

Course	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.

H.	K.	H. K.	Courses.	Winds.	L. W.	Remarks on Sunday Feby 10 th
1	1	1	East.	Wen.		Begins with light winds. Calms
2	1	1				At 1 P.M. took in steering sails.
3	1		E.N.E.	Variable		
4	1					At 4 the tower bore W by N.
5	Calms					
6	2		E.S.E.			At 6 it bore W 1/4 N. dist 15 miles
7	2		E by S			from which I take my departure.
8	3					The Latitude is 32° 05' S. Long 52° 01' West.
9	3		East.			
10	2	1				Middle part Moderate breeze
11	2	1				& pleasant weather.
12	1	1				
1	1	1	E.N.E.			
2	1	1				
3	1	1	E.N.E.			
4	1	1				At 7 a.m. set the steering sails
5	1	1				Winds light & so it ends.
6	1	1				
7	1	1				This day caught a fine turtle.
8	1	1				
9	1	1				
10	1	1				
11	1					
12	1					

Lat Obs 32° 17' South

Course	Dist	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S 85° E	47'	4' S.	47'	32° 09'	32° 17'	1/2° E.	0° 55'	51° 06'	

Brig Chase from Rio Grande towards Havana:

H.	K.	H.K.	Courses.	Winds	L. W.	Remarks on Monday Feb 11 th
1	1		ESE	SW		Begins with light winds & pleasant weather.
2	1					
3	Calm					
4	1		ESE			
5	1		ENE	SW		At 4 P.M. in all steering sails & braced up sharp. Wind light & variable.
6	1					
7	1		ENE			
8	2					
9	2		E by S			At 8 tacked Ship.
10	2					
11	3		East			
12	3					
1	2		E by S	SE by W		Middle part Cloudy with thunder & lightning from the Northward & Westward.
2	2					
3	1		ENE			
4	1					
5	1		ENE			At 6 A.M. a heavy squall struck us & carried away the fore gaff. & sprung the main yard.
6	4	1				Chase down top sails. & At 8 tall steering sails set. Ends with a fine Breeze and pleasant weather.
7	2					
8	Calm					
9	1		ENE	WSW		
10	2					
11	3	1				
12	4					Lat Obs ^d 32° 07'

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 83° E	38'	5' N	38'	32° 12'	32° 14'	1 st East	0° 45'	50° 21'	West.

H.	K.	H.K.	Courses.	Winds.	L. W.	Remarks on Tuesday Feb 12 th 1822
1	5		ENE	South		Begins with a fine Breeze & Cloudy weather.
2	5					
3	6	1				
4	6	1				
5	6	1				At 2 P.M. Squally in steering sails furled the Royal, & topgallant sails.
6	6	1				
7	6	1				At 6 reefed the top sails. & main sail.
8	6	1				
9	6	1				
10	6	1				Middle part fresh Breeze with passing clouds.
11	6	1				
12	6	1				
1	6	1				
2	6	1		SSW		
3	6	1				At 4 A.M. out all reefs & set topgallant sails.
4	4	1				
5	4	1				At 6 set the steering sails.
6	4					
7	5					
8	5	1				Ends pleasant.
9	5	1				
10	4	1				
11	4	1				
12	4	1				Lat Obs ^d 31° 23' S This day unbent Cable's -

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 79° E	137'	26'	134'		31° 23'	1 st East	2° 38'	47° 43'	

out 4 days.

Brig Chase from Rio Grande towards Havana.

H.	K.	H. K.	Courses.	Winds.	L. W.	Remarks on Wednesday Feb 13 th
1	4		ESE	SW by E		Begins with moderate breeze
2	4					& pleasant weather.
3	4					
4	4					At 6 P.M. in steering sails.
5	4					& braced up.
6	4					
7	2	1				
8	2	1				
9	2					Middle part pleasant
10	1	1				
11	1					
12	1					
1	badm					At 5 A.M. squared the yards, set steering
2	1	1		W by S		sails.
3	1					Latter part the same
4	badm					
5	1					& so it ends.
6	1					
7	1					This day got the anchors on deck.
8	1	1				
9	1					
10	1	1		NE		
11	1	1				
12	2					Lat Obs 31° 02' Long

Course	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 76° E	48'	12' N.	47'	31° 11' S.	31° 02'	3/4° East	0° 55'	46° 48' West.	

H.	K.	H. K.	Courses.	Winds.	L. W.	Remarks on Thursday Feb 14 th
1	3		ESE	SE by E		Begins with a fine breeze
2	3	1				& Cloudy weather.
3	4					
4	4					At 1 P.M. in steering sails. & Royal
5	4	1	E by N	N by E		braced up sharp.
6	5					At 8 single reefed topsails. &
7	5					hoisted top gallant sails.
8	3	1	ESE			
9	3	1				At 10 double reefed topsails. &
10	3	1				main sail, falled the main
11	3	1	ESE	N by E		top sail.
12	3	1				Middle fresh breeze. & clear
1	3	1				weather.
2	3	1				
3	4	1				
4	4					
5	3	1				At 6 A.M. moderate out all
6	3	1				reefs & set light sails.
7	4					
8	4					Ends Cloudy. Dinned today
9	4					sea fire out of Jerka Beef.
10	4					
11	3	1				
12	3					Lat Obs 30° 59'

Course	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 83° E	93'	11'	92'	30° 51'	30° 59'	3/4° East	1° 47'	45° 01' West.	

out 6 days.

Brig Chase from Rio Grande towards Havana.

H.	K.	H.K.	Courses.	Winds.	L. W.	Remarks on Friday Feb 15 th
1	3	1	E by N	N E 1/2 E	1/2	Begins with light winds & Cloudy weather.
2	3	1				
3	3		E N E.			
4	3					
5	3					
6	3	1				
7	3	1				Middle part moderate breeze & rainy.
8	3	1				
9	3	1				
10	2	1				
11	2		E 1/2 N			
12	1	1	E N E.			
1	3		E 1/2 S			Latter part the same & so it ends.
2	3					
3	2	1	E S E.			
4	2	1				
5	2					
6	2	1	E by N			
7	3					Saw a Smack steering to the Northward & Westward.
8	3	1				
9	3		E N E.			
10	1	1	E by S			
11	1	1	E S E.			
12	2	1				

NO Observation

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S 81° E	54'	8' S.	53'	31° 07'	none.	1/4 East	1° 03'	43° 58' West.	

H.	K.	H.K.	Courses.	Winds.	L. W.	Remarks on Saturday Feb 16 th
1	3		E S E	N East	1/2	Begins with moderate breeze & cloudy weather.
2	3					
3	3		S E by E			
4	2	1				
5	2	1	S East	E N E		
6	2					
7	2		N by E	E by N		Middle part Moderate Breeze & pleasant weather with a heavy head sea.
8	2	1				
9	3	1	N by E			
10	3					
11	3	1				
12	3	1				
1	4					At 1 a m took in the main top gallant sail. & main top mast staysail.
2	4					
3	3	1	N E by N			
4	3	1				
5	4	1	N E 1/2 N			
6	4	1				
7	3	1				At 6 set them again. At 10 set the Royal. Ends pleasant with a heavy sea.
8	3	1				
9	3	1	N E by N			
10	3	1				
11	3	1	N E 1/2 N			
12	3	1				

This day the barometer finished the new for gaff.

Lat Obs'd 30° 17' South

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 46° E	61'	42'	44'	30° 25'	30° 17'	3/4 East	0° 51'	43° 07'	

Out 8 days.

Brig Chase from Rio Grande towards Havana.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Sunday Feb 17 th 1822.
1	4		N $\frac{1}{2}$ E	ESE	$\frac{1}{2}$ m	Begins with a moderate breeze & pleasant weather.
2	4		N E by N	E by S		
3	4					
4	3	1				
5	3	1	N $\frac{1}{2}$ E			
6	3					
7	3					
8	3					
9	4	1				Middle part Cloudy.
10	4					
11	3					
12	3					
1	3	1	N E by N	ESE		
2	3	1				
3	3	1				
4	3					
5	3		N N $\frac{1}{2}$ E	E by S		Latter part the same. & so it ends. With all awing sails set.
6	3					
7	3					
8	3					
9	2	1	N E by N			
10	2	1				
11	2		N N E	East.		
12	2					Lat Obs ^d 29° 15' South

Course	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 38° E	77°	61'	47'	29° 16'	29° 15'	$\frac{1}{4}$ East	0° 54'	42° 13'	West.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Monday Feb 18 th
1	2		N by E	E by N	$\frac{1}{2}$ m	Begins with moderate breezes & pleasant weather. At 3 P.M. Calm.
2	2					
3		1				
4						
5						
6	Calm					
7						
8						
9						
10	1		North			Middle part the same.
11	1		N by W $\frac{1}{2}$ N	N East		
12	Calm					
1	1	1	East	N N E		At midnight braced about the yards. a light breeze springing up from the Northward & easterly.
2	1	1				
3	3		E $\frac{1}{2}$ N			
4	3					
5	3	1				
6	3	1				Latter part pleasant. & so it ends. saw a sail to Windward of us.
7	3					
8	2					
9	2					
10	2					
11	1	1	E by N			
12	1	1				Lat Obs ^d 29° 24' South

Course	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 80° E	26'	5'	28'	29° 10'	29° 24'	$\frac{1}{4}$ East	0° 30'	41° 43'	West.

Out 10 days.

Brig Chase from Rio Grande towards Havana.

H.	K.	H.K.	Courses.	Winds	L.W.	Remarks on Tuesday Feb 19 th
1	1	1	E 1/2 N	N by E 1/2 E		Begins with a moderate breeze and pleasant weather.
2	1	1				
3	2		E 1/2 S			
4	2					
5	2	1	E by S			
6	2	1				Middle part the same.
7	3	1				
8	3	1				
9	3		E by S			
10	3					
11	2	1				And so it Ends. with all drawing sails. set to the Breeze
12	3					
1	3		E 1/2 S			
2	3		E 1/2 N			
3	3					
4	3					Lat Obsd 29° 42' N
5	3		E by N			
6	3					
7	3	1	East			
8	3	1				
9	3	1	E 1/2 N			
10	3	1				
11	3					
12	3					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S 74° E	67'	18	64'	29° 42'	29° 42'	3/4 ^{hr} East	1° 14'	40° 39' West.	

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Wednesday Feb 20 th
1	3		E 1/2 N	N by E 1/2 E		Begins with a moderate breeze & pleasant weather.
2	2	1				
3	2	1				
4	2					
5	1	1				
6	1	1				Middle part the same.
7	1	1	East	NNE		
8	1	1				
9	2		E 1/2 N	N by E		
10	2	1				
11	3		E by N			At 8 A.M. set the fore top mast & top gallant steering sails.
12	3	1				
1	4		E by N North			
2	4					
3	4		ENE			
4	4					Ends pleasant with light wind.
5	3	1	NNE			
6	3	1				
7	3	1				
8	3	1				
9	3	1				Lat Obsd 29° 38' N
10	3					
11	2					
12	1	1				

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 82° E	65'	9'	64'	29° 33'	29° 38'	1/2 ^{hr} East	1° 15'	39° 24' West.	

Out 12 days

Brig Chase from Rio Grande towards Havana.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Thursday Feby 21 st
1	1		N East		$\frac{1}{2}$ W	Begins with light winds & Calm.
2	1					
3	1					
4	1					
5	1					
6	1					At 9 P.M. took in the steering sails.
7	1					
8	1					
9	Calm.					
10	1					
11	2		N E by E	N by W		
12	3					Middle part Moderate & pleasant.
1	2	1	N E $\frac{1}{2}$ E			
2	2	1				
3	2	1	N E by E	West	0	
4	2	1				
5	2	1				At 3 A.M. set the steering sails.
6	2	1				
7	3	1				At 10 squared the yards.
8	3	1				At 12 squared the ship.
9	3	1				
10	3	1				Ends squally with light rain.
11	3	1		W S W		
12	3	1		S S W		No observation

Course	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 51 E	47'	29'	36'	29° 09'	none	$\frac{1}{2}$ E	0° 41'	38° 43'	West

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Friday Feby 22 nd
1	6	1	N E by N	S S E		Begins with a fresh breeze & Cloudy weather the wind suddenly shifting to the Southward & Eastward.
2	7					Set the starboard fore top mast steering sail.
3	7	1				
4	7	1				
5	7	1				
6	7	1				
7	7		N E by N			
8	7					At 10 P.M. squared took in the fore top mast steering sail. Daysail. Royal.
9	6	1				& main top gallant sail.
10	6	1				
11	6	1				Middle part fresh breeze & Cloudy weather.
12	7					
1	7					
2	6	1				
3	6	1				
4	7					
5	6	1				At 2 A.M. set the light sails.
6	6	1				
7	6	1				
8	6			S S E		Ends with a fine breeze & passing clouds.
9	5	1				
10	5	1				
11	5	1	N E by N			
12	5					Lat Obs 26° 47' South

Course	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 35 E	138'	129'	91'	27° 00'	26° 47'	$\frac{1}{2}$ E	1° 43'	37° 00'	West

Out 14 days.

Brig Chase from Rio Grande towards Havana.

H.	K.	H.K.	Courses.	Winds	L.W.	Remarks on Saturday Feb 23
1	5	6	N 8 by E	N 8 E		<p>Begins with a fine Breeze & pleasant weather.</p> <p>At 3 P.M. took in the steering sail. & braced up the yards.</p> <p>Middle part Moderate Breeze & passing clouds.</p> <p>At 5 A.M. set the fore top mast & top gallant steering sails.</p> <p>I allow 10 miles for current to the Westward. for I think there must be a very strong one by the difference of Latitude.</p> <p>Ends Pleasant. Lat $25^{\circ}03'$</p>
2	5	6				
3	5					
4	4	4				
5	4					
6	4					
7	4	4		E by S		
8	4	4	N 8 1/2 E			
9	4					
10	4					
11	4		N 8 by E			
12	5					
1	4	4	N 8 1/2 E			
2	4	4				
3	4					
4	4					
5	4	6	N 8 by E			
6	4	6				
7	4	6	N 8 1/2 E			
8	5					
9	4	4				
10	4	4				
11	4					
12	4					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 38 E	102'	80'	63'	$25^{\circ}27'$	$25^{\circ}03' \frac{1}{2}$	$\frac{1}{2}$ East	$1^{\circ}10'$	$35^{\circ}50'$	West

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Sunday Feb 24 1822.
1	4		N 8 by E	S 8 by E		<p>Begins with a fine breeze & passing clouds.</p> <p>Middle part the same.</p> <p>And so it ends.</p> <p>Lat Obs'd $23^{\circ}14'$</p>
2	4					
3	4					
4	4					
5	3	6	N 8 E	E by S		
6	3	6				
7	5		N 8 1/2 E			
8	6					
9	6	6				
10	7					
11	7					
12	6					
1	5		N 8 E			
2	5	4				
3	5		N 8 1/2 E			
4	5					
5	5	4				
6	5	4				
7	5	6				
8	5	6				
9	5		N 8 E			
10	4	2				
11	4	2	N 8 1/2 E			
12	4	2				

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 32 E	121	103'	64'	$23^{\circ}20'$	$23^{\circ}14'$	$\frac{1}{2}$ East	$1^{\circ}10'$	$34^{\circ}40'$	

Out 16 days.

Boat Chase from Rio Grande towards Havana

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Monday Feby 25 th
1	4		NNE	E by S		Begins with a fine breeze & pleasant weather.
2	4	6				
3	5	4				
4	5					
5	5					
6	5	4				
7	5	4				
8	5	4				
9	5	4				
10	5	4				
11	5	4				
12	5	4				
1	4					Middle part gentle breezes & passing clouds.
2	3	4	N by E 1/2 E			
3	3	4				
4	2		N by E 1/2 E			
5	3		N by E			
6	2	4	E by N			
7	2	4				
8	2	4				
9	2	4	East.	NNE		
10	2	4				
11	2	4				
12	2	4				

Latter part the wind hauling to the Northward. tacked Ship to the Eastward.
Ends pleasant.

Lat Obs 22° 04' S

Course	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 32 E	14'	69'	48'	22° 05'	22° 04'	1° East	0° 52'	33° 48'	

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Tuesday Feby 26 th
1	2		E by N	N by E	1 st	Begins with light & variable winds.
2	2					
3	2					
4	2					
5	2		E 1/2 S			
6	2					
7	1	4	E by N	N by E		
8	1	4				
9	2	4	E by S	N by E		
10	2	6				
11	2	6	ESE			
12	2	6				
1	2					Middle part the same.
2	1		E by S			
3	2	4	E by S			
4	2					
5	2		NNE	N 1/2 E		
6	2					
7	2		NNE			
8	3		E by S			
9	3		E by N			
10	2					
11	3		E by N			
12	2					

And so was the latter part
At 4 a.m. tacked Ship to the Northward.
At 7 tacked to the Eastward.
Ends pleasant.

Lat Obs 22° 06' S

Course	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 32 E	39'	7'	38'	22° 11'	22° 05'	1° East	0° 41'	33° 07'	

Out 18 days.

Brig Chase from Rio Grande towards Havana

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Wednesday Feb 27 th
1	2		E N E	North	1/2	Begins with moderate breeze & pleasant weather.
2	2	4				
3	2	4				
4	2					
5	1	4	E by S			
6	1	4				
7	1	4	E 1/2 S	N by E	1/2	
8	1	4				
9	2		E by S			
10	2					
11	2		E 1/2 S			
12	2					
1	2		E S E	N East		Middle part the same.
2	2		East	variable		
3	2					
4	2					
5	2		E by S			
6	2					
7	2					
8	2					
9	1	4	E by S			
10	1	4				
11	1	4	E 1/2 S			
12	1	4				

Lat Obs 22° 13'

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S 80° E	44 miles	S	43	22° 13'	22° 13'	1° East	0° 46'	32° 31' West	

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Thursday Feb 28 th
1	1		E by S	N by E	1/2	Begins with moderate breeze & pleasant weather.
2	1					
3	1		E S E			
4		4				
5	1	2	N by W	tacked ship		
6	1	2				
7	2	4				
8	2	4				
9	3					
10	3	2				
11	3	2	N by W			
12	3	4				
1	3		N N W			Middle part pleasant.
2	2					
3	2					
4	2					
5	2		N by W			
6	2	4				
7	2					
8	2	4	E by N	N by E		
9	2					
10	2					
11	2		East			
12	2					

Lat. Obs 21° 46'

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 40° W	29	29	2	21° 44'	21° 46'	1/2 East	0° 02'	32° 28' West	

Out 20 days

Brig Chase from Rio Grande towards Havana

H.	K.	H. K.	Courses.	Winds.	L. W.	Remarks on Friday March 1 st 1822
1	2	4	East	NNE	1/2	Begins with Moderate breeze & pleasant weather. At 9 AM tacked Ship.
2	2	4				
3	2					
4	1	6				
5	2		E by S			
6	2					
7	2					
8	2					
9	2					
10	3		N by W 1/2 E	NNE		
11	3		N by W			
12	3	4				
1	3	4				Middle part pleasant Latter part the same and so it Ends. With all drawing sails set by the wind.
2	3	4				
3	3	4				
4	3	4				
5	3	4	N by W 1/2 E			
6	3					
7	3		N 1/2 W			
8	3					
9	3					
10	3					
11	2	6				
12	2	6				

Lat Obs^d 21° 12' S.

Course	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
NNE	42'	41' miles	8'	21° 05'	21° 11'	1/2 East	08' East	32° 15'	West

H.	K.	H. K.	Courses.	Winds.	L. W.	Remarks on Saturday March 2 ^d
1	2		N 1/2 W	ENE	1/2	Begins with moderate breeze & pleasant weather. Middle part light squalls.
2	2		North			
3	2					
4	2					
5	2		N 1/2 E	E by N		
6	2					
7	3		N by E			
8	3	2				
9	3	2	N by E			
10	3	2				
11	3	2				
12	2	4				
1	2		N by E 1/2 E			Latter part wind, Variable. bracing about the yards & tacking Ship. Ends with light squalls. dull dodging
2	2					
3	2					
4	2					
5	2					
6	1		N by W 1/2 E			
7	2		North			
8	1	4				
9	1	4				
10	2		E by N			
11	2		N by W 1/2 E			
12	2	4				

Lat Obs^d 20° 18' S.

Course	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
North	50'	50' North	none	20° 28'	20° 18'	1/2 East	none.	32° 15'	West

Out 22 days

Brig Chase from Rio Grande towards Havana

H.	K.	H.K.	Courses.	Winds	L.W.	Remarks on Sunday March 3 ^d
1	1	4	N by E	N by E	1/2	Begins with light winds & pleasant weather.
2	1	4				
3	2		E by N			
4	1	4				
5	1	4	East			At 2 P.M. laced ship.
6	1	4				
7	2		S by E	N by E		At 8 laced again.
8	1	6				
9	1					Middle part light winds, & passing clouds.
10	2				1/4	
11	2		N by E			
12	2					
1	2		N by E			Latter part pleasant. & this weather continues the chance is that we shall have a long passage.
2	2					
3	2					
4	2					
5	2					
6	2					
7	2	2	N by E			
8	2	6				
9	2	6				
10	2	6				
11	2					
12	2	4				

Lat Obs^d 19° 43' S.

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 26 E	27'	33'	16'	19° 45'	19° 43'	1/4 ^h East	0° 17'	31° 58'	West.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Monday March 4 th
1	1		N by E 1/2 E	East.	1/4	Begins with light winds & pleasant weather.
2	1	4				
3	2		N by E			
4	2	4				
5	2	4	N by E 1/2 E			At 8 P.M. set the steering sails. wind to the South East for few moments.
6	1	4				
7	2	4				
8	2	4				
9	2	4	N by E 1/2 N			At 10 took them in.
10	2	1				
11	2		N by E			
12	1					
1	2					Middle part light winds & Cloudy weather.
2	3					
3	2	4	N East			
4	1					
5	1		North			Latter part Moderate & pleasant.
6	2					
7	1		N by W			
8	—	6				
9	Calm					All hands employed killing Bugs.
10						
11	1		E 1/2 N			
12	1	4				

Lat Obs^d 19° 09' S.

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 24 E	37'	33'	15'	19° 10'	19° 09'	1/4 ^h East	0° 16'	31° 42'	W.

Out 24 days

Brig Chase from Rio Grande towards Havana

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Tuesday March 5 th
1	1	4	E 1/2 N	N by E 1/2 E		Begins with light winds
2	1	4				& pleasant weather.
3	1					
4	1					
5	Calms					At 4 P.M. squally with rain.
6	3		N East			braced about the yards.
7	3					
8	3					At 5 squared the yards. but did
9	2	4	N E by S			not stand long. the wind shifting
10	3					about from one point to the other.
11	2	4				
12	1					
1	1	4	N East			
2	1	4				Middle part squally. with
3	Calms					variable winds & Calms.
4	1	4		S East		
5	1	4				
6	1					At 7 a.m. the wind from the
7	1					N East again. We have had a
8	2		N by W 1/2 N E by S 1/4 E			continual head wind for 3 days.
9	2		N N W			& at this rate. we shall make about
10	2					4 months. passage. Ends pleasant
11	1	4	N W by S			At 12 tacked Ship.
12	1	4		tacked Ship		Lat Obs ^d 18° 46' S

Course	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 32 E	33'	28' miles	18'	18° 41' S.	18° 46' S	none	0° 19'	31° 23' West.	

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Wednesday March 6 th
1	2		E by N 1/2 N	East	1st	Begins with light winds
2	2					& pleasant weather. Winds variable
3	2		N E by E			
4	1					
5	Calms					At 5 Squally. squared the yards.
6	2		N East			at 6 braced up again.
7	1	4	N by E			
8	1	4				At 9-30. P.M. tacked Ship
9	1	4	N by W			head East.
10	1		E by S			
11	2	4				
12	2					Middle part pleasant.
1	2	4	E by N	N by E		
2	3					
3	3					
4	3					
5	2					At 6 a.m. saw a Ship
6	3		E 1/2 N			astern of us. About 5 miles
7	3	1				distance.
8	3	4				Ends Pleasant.
9	3	4	E by N			
10	3	4				
11	3	4				
12	3	4				Lat Obs ^d 18° 46' S.

Course	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 82 E	39'	04'	39'	18° 42'	18° 45'	none	0° 41'	30° 42' West.	

Out 26 days.

Brig Chase from Rio Grande towards Havana.

H.	K.	H.K.	Courses.	Winds	L.W.	Remarks on Thursday March 7
1	3		E by N	North	1/2 th	Begins with a moderate breeze & pleasant weather. At 8 P.M. the Ship on out larboard Quarter.
2	2	6				
3	2	6	E N E			
4	2	4				
5	2					
6	2					
7	2		East	N N E		
8	2	4				
9	2		E S E			
10	3					
11	4		E by S			Middle part fresh breeze & pleasant weather.
12	4					
1	4	4	E by S 1/2 S	N E by N		
2	4	4				
3	4	4				
4	4	4				
5	4	4	E 1/2 S	N N E		
6	4	4				
7	4		E 1/2 N			
8	4					
9	4					
10	4					Ends the same. the Ship to leeward of us. distance about 8 miles.
11	3	4				
12	3	4				

Lat Obs^d 18° 52'

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S 82° E	80'	11'	79	18° 56'	18° 52'	none	1° 24'	29° 18'	West.

H.	K.	H.K.	Courses.	Winds	L.W.	Remarks on Friday March 8 th
1	3		E 1/2 N	N by E	1/2 th	Begins with a fine Breeze but a head one. & pleasant weather. At 6 P.M. the Ship out of sight (from the deck) on out lee bow
2	3					
3	3		E by N			
4	3					
5	3					
6	3					
7	3		E 1/2 N			
8	3					
9	4		East	N N E		
10	4					Middle part pleasant. With fine North East trade Winds, in 19° 00' South latitude. Who ever heard of the like before.
11	4					
12	4					
1	4					
2	3					
3	3		E 1/2 S			
4	3					
5	3					
6	3					
7	3		E by S			Latter part the same. and so it Ends. Watch employ'd fitting bentick shrouds.
8	3					
9	3					
10	3					
11	3		East			
12	3					

Lat Obs^d 19° 01' South

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S 83° E	77'	7'	76	18° 59' S	19° 01'	none	1° 20'	27° 58'	West.

Out 28 days.

Brig Chase from Rio Grande towards Havana.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Saturday March 9 th
1	3	2	East.	NNE.	1/2 ^{hr}	Begins with a moderate breeze.
2	3	2				& pleasant weather.
3	3		E 1/2 S.			
4	3					At 2 P.M. saw a Ship on our
5	2		E by S.			weather bow standing to the
6	2					Southward.
7	1	6.	E by S.			
8	1	4	tacked Ship			At 4 she crossed our stern. &
9	1	4	N by W	N E by E		showed English colours. she was
10	2					a south sea man. Putward bound.
11	2					At 8 P.M. tacked Ship. head
12	2					North.
1	2	4	NNE.	N East		
2	2	6				
3	2	6	NNE 1/2 W	tacked Ship		Middle part Pleasant
4	2	4	E by S.			
5	2					
6	1	4	ESE.			At 3 a.m. tacked Ship head
7	1	4				East by South. Northward &
8	1					
9	1					At 10 tacked to the Westward.
10	1		--	tacked Ship		
11	1	4	N by W			Ends Pleasant.
12	1	6				Lat Obs ^d 18° 54' S.

Course	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 65° E	22'	9' N.	20'	18° 52' S.	18° 54'	none.	0° 21'	27° 37'	West.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Sunday March 10 th 1822.
1	2		NNE.	N East.	1/2 ^{hr}	Begins with Light winds. &
2	2					pleasant weather.
3	2		N by W			
4	2					
5	2					
6	2					
7	2					
8	2					
9	2		N 1/2 W			Middle part the same.
10	2					
11	2		N by W	N E by E.		
12	2					
1	2					At 8 a.m. tacked Ship. head East &
2	2					not any wind.
3	1		NNE.			
4						latter part Calm. & so it
5						Ends.
6						
7						
8						
9						
10						
11						
12						Lat Obs ^d 18° 29' South.

Course	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 23° E	29'	26'	11' W.	18° 28' S.	18° 30'	1/4 ^{hr} West.	0° 12' W.	27° 49'	West.

Out 30 days.

Brig Chase from Rio Grande towards Havana.

H.	K.	H.K.	Courses.	Winds	L.W.	Remarks on Monday March 11.
1			N by E	ESE		Begins with little or no wind.
2						L. pleasant Weather. At 2 P.M.
3						squared the yards.
4						
5						
6	2			SE		At 4 P.M. set the fore top main
7	2	4				Lower & top gallant. steering south
8	2	4				
9	3	4				
10	4	6				
11	4					
12	4	4				Middle part fine breeze &
1	4					pleasant Weather.
2	3	4		ESE		
3	4	4				
4	4	4				
5	4	6				
6	4	6				Latter part the same.
7	3	6				It so it ends with all sail
8	3	6				set. allowing $\frac{1}{4}$ pt for running off.
9	4					
10	4					
11	3	6				
12	2	6				Lat Obs $17^{\circ} 15' S$

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 2 E	74'	74'	7'	$17^{\circ} 16'$	$17^{\circ} 15'$	$\frac{1}{4}$ pt West	$0^{\circ} 07' E$	$27^{\circ} 42'$	West

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Tuesday March 12 th
1	4		N by E	SE		Begins with a fine Breeze &
2	4					pleasant Weather. All sail set
3	3					
4	3					
5	3					
6	3					
7	4					
8	4			South		Middle part the same.
9	4					
10	4					
11	4					
12	5			SE		
1	5					
2	5					
3	5					
4	4					At 9 a.m. the wind hauled
5	4					to the Northward, & Eastward
6	4					in all steering sails. & braced
7	4					up. Ends Pleasant with a
8	3		N 2 E	East.		light Breeze. this day we lose the
9	3		North			trade winds. Again.
10	3		N 2 E	N East.		
11	3					
12	2					Lat Obs $15^{\circ} 50' S$

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 2 E	89'	89'	4'	$15^{\circ} 46'$	$15^{\circ} 50'$	$\frac{1}{4}$ pt West	$0^{\circ} 4' E$	$27^{\circ} 38'$	West

Out 32 days.

Brig Chase from Rio Grande towards Havana:

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Wednesday march 13 th
1	2		NW	SE	1/2	Begins with light wind. & pleasant weather.
2	2					
3	1	4	NW	SE		
4	1		East.	SE		At 3 P.M. tacked Ship.
5	1		SE			
6	1		SE			
7	1		SE			At 10 tacked again head North
8	1					
9	-	4				
10	-	4	North	SE		Middle part pleasant.
11	1					
12	1	4	N by W	SE by E		
1	2					At 12 hauled in the weather braces. Wind light. Ends pleasant this day was. put on allowance of water 4 quarts a day
2	2					
3	2					
4	2					Lat Obs 15° 23' S.
5	2		N 1/2 W			
6	1	6				
7	1	4				
8	1	4				
9	2		N 1/2 E			
10	2					
11	1					
12	1					

Course	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 1/2 W	26'	25'	8'	15° 25'	15° 23'	1/4 W	0° 08'	27° 46'	West.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Thursday March 14 th
1	1		N by E.	SE		Begins with light winds & pleasant. At 2 P.M. set steering sails.
2	1	4				
3	1	4				
4	1	4				At 8 took in the lower steering sail.
5	1	6				
6	1	6				
7	2	4				Middle part pleasant.
8	2	4				
9	2	4				
10	2	6				At 5 A.M. in steering sails.
11	2					
12	2					
1	2					At 7 set them again. —
2	2					
3	2					
4	2					Ends with light wind & pleasant weather.
5	2		N 1/2 E.	Variable.		
6	2					
7	1	6				Lat Obs 14° 40' S.
8	1	6				
9	1	4				
10	1					
11	1					
12	1					

Course	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 4° E	43'	43'	3'	14° 40'	14° 40'	1/4 W	0° 03'	27° 43'	West.

Dist 34 days.

Brig Chase from Rio Grande towards Havana.

H.	K.	H.K.	Courses.	Winds	L.W.	Remarks on Friday March 15
1		4	N by E	E by S		Begins with light winds & pleasant weather. All hands employed hogging the Brig.
2		4				
3	1					
4	1					
5		4				
6		4				
7	1	6				
8	1	6				
9	2		N ½ E		½	
10	1	4				
11	1	4				
12	1	4				
1	1	4				Middle part pleasant.
2	1					At 5 P.M. in steering sails. Ends pleasant with a light breeze. N.W. current 5 miles.
3		4				
4		4				
5	1		N by W			
6	1		N by W	N East		
7	2		N by W			
8	2	6				
9	2	4	N by W			
10	2					
11	1	6				
12	1	6				

Lat Obs^d 14° 06'

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 13° W	35'	35'	8'	14° 06'	14° 06'	½ W	0° 08'	27° 51' West.	

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Saturday March 16
1	1		North	E & E	¾ W	Begins with light winds & pleasant weather. At 7 P.M. set the steering sails. Middle part pleasant with a fine breeze.
2	1					
3	1	4	N ½ E			
4	1					
5	2		N by E	E by S		
6	2					
7	2	4				
8	2	6				
9	3					
10	3					
11	4		N by E ½ E			
12	4	4				
1	4		N by E			At 5 A.M. in steering sails. Ends pleasant with passing clouds.
2	4	4				
3	4	4	N ½ E			
4	4					
5	3	4	North			
6	3					
7	3	4	N ½ W			
8	4					
9	3	1	N ½ E			
10	3					
11	3					
12	3					

Longitude by Lunar at 9 A.M. Was. 32° 33' 45" West.

Lat Obs^d 12° 54' South

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 7° W	71'	70'	9'	12° 56'	12° 54'	½ W	0° 09'	28° 00' W	

Out 36 days.

Whig Chase from Rio Grande towards Havana.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Sunday March 17 th
1	3		North	E & E	1 st	Begins with a fine Breeze & pleasant weather.
2	3					
3	3					
4	3					
5	3					
6	3					
7	3					
8	3					
9	3		N ¹ / ₂ E			
10	3					Middle part the Same.
11	4		N by E			
12	4					
1	4					And so it Ends.
2	4					
3	3		North			
4	2					
5	3					
6	3					
7	3					
8	3					
9	3					
10	3					
11	3					
12	3					

Lat. Adv. 12° 53' S.

Course	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 1/2 W	75'	72'	25'	11° 42'	11° 53'	1/2 W	0° 25'	28° 25'	32° 58'

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Monday March 18 th
1	2		North	E & E	1/2 nd	Begins with a fine Breeze & pleasant weather.
2	2					
3	2	4	N by E			
4	2	6				At 8 P.M. set the fore top mast & top gallant steering sails.
5	2	6				
6	2	6				
7	2	4	N & E	E by S		Middle part the Same.
8	2	4				
9	4		N by E 1/2 E			
10	4	4				Latter part pleasant with a fine Breeze.
11	4	4				
12	4	6				
1	4		N & E			
2	4					
3	4	4	N by E 1/2 E			
4	4					
5	4					
6	3	4				
7	4					
8	5					
9	4	4	N by E			
10	4					
11	3	4				
12	3	4				

Lat. Adv. 10° 29' S.

Course	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 4° E	85'	84'	66'	10° 29' S.	10° 29'	1/2 W	0° 06' E	28° 19' W	32° 52'

Out 38 days.

Brig Chase from Rio Grand towards Havana.

H.	K.	H.K.	Courses.	Winds	L.W.	Remarks on Tuesday March 19 th
1	3	4	N by E	E. by S	1/4	Begins with a fine Breeze & pleasant Weather.
2	3	4				
3	3					
4	3					
5	4	6	N by E.			
6	4	6				
7	4					
8	4	4				
9	4					
10	4					
11	4					Middle part Cloudy.
12	4	4				
1	4	6				
2	4	6				
3	4					
4	4					At 7 A M set the lower steering sail. Ends Cloudy with a fine breeze. All sail set.
5	4					
6	4					
7	4		North.			
8	4	6				
9	4	6				
10	4	6				
11	4	6				
12	4	6				

Lat Obs 8° 45' S.

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 1/2 E.	99'	99'	2'	8° 50' S.	8° 45' S.	1/2 W.	0° 02' E.	28° 17'	32° 50' W.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Wednesday March 20 th
1	4		NW.	ESE.		Begins with a fine breeze & Cloudy Weather. At 1 hauled in the weather braces.
2	4					
3	6					
4	6					
5	5					
6	5					
7	5					
8	5					
9	4					
10	4					
11	4					Middle part Cloudy with a fine Breeze.
12	6					
1	5					
2	5					
3	5					
4	5					Latter part Pleasant with a light Breeze. Ends with passing clouds. All hands employed this day.
5	5					
6	4					
7	4		NW by N E. by S.			
8	3					
9	3					
10	3					
11	3					
12	3					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long by Ob.
N 3/4 W.	98'	82'	53'	7° 23' S.	none.	1/2 W.	0° 53' W.	29° 10'	33° 43' W.

Out 40 days...

Brig Chase from Rio Grande towards Havana.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Thursday March 28 th
1	4		N by W	E. East.		Begins With Cloudy weather.
2	5					At 1.30 P.M. squally with rain.
3	2					
4	2					
5	3		N.W. by W	Variable		At 2 in all steering sails. Wind
6	4					Variable. bracing, & squaring the
7	4		N by W	East.		yards for the first part.
8	3	4				
9	3					
10	2	6				
11	2					
12	1	6				Middle part moderate breeze
1	1	6				& Cloudy weather.
2	1					
3	1					
4	2					
5	3		N.W.			Latter part Cloudy. At 7 A.M.
6	2					saw the land bearing N.W. distance
7	2					about 15 miles. it being moderate
8	2					hailed off to the Southward & Eastward.
9	2		N by E.			We have had a strong Westery Current
10	1		N by E.			since we left Rio Grande, about Longitude
11	1					by dead reckoning places us in 29° 30' West
12	1		North			and our Longitude is 35° West.

Course	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 25° E	53'	48'	22'	6° 35' S	6° 20'	1/2 W	0° 22'	29° 32'	34° 05'

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Friday March 29 th
1	1		N by E	E. East.		Begins With light winds & Cloudy
2	1					Weather. set the steering sails.
3	1	4				
4	1	4				
5	1	4				
6	1	4				At 8 P.M. squally, in squally we took in
7	2	4	N E by S	E. S. E.		steering sails. & royal.
8	3					
9	3					
10	5					Middle part fresh breeze & squally
11	4	4				
12	5					
1	5		N by E			At 2 A.M. a heavy squall, in light
2	6					sails. & single reefed topsails.
3	4	4				
4	4					At 7 out all reefs & set steering
5	4					sails.
6	4					Latter part, as well as the first.
7	4					Very heavy rain.
8	4	4				
9	5		North			
10	5					
11	5					
12	5					

Course	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 10° E	84'	83'	15'	4° 57'	none.	1/2 W	0° 15'	29° 17'	33° 50' Dist.

At 42 days.

Brig Chase from Rio Grande towards Havana

H.	K.	H.K.	Courses.	Winds	L. W.	Remarks on Saturday March 23 rd
1	3	4	NW	SE		Begins with squalls. & rain a plenty.
2	4	4				
3	4	4				
4	4	4		East.		
5	4					At 9 P.M. in steering sails. royal & top gallant sails.
6	4					
7	3	2				
8	2	2				
9	2	4				
10	5					
11	4	4				Middle part fresh Breeze & squally.
12	5					
1	4			SE by S		
2	4	4				
3	5					At 3 A.M. set topgallant sails. & royal.
4	5					
5	4	4				At 4 set the steering sails.
6	3					Latter part pleasant. with a moderate breeze.
7	3			E by S		Allowing 30 miles. Current N N W 1/2 W
8	3					
9	3					
10	3					
11	2	6				
12	2	6				Lat Obs. 3° 11' S.

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 28° W	121'	107'	57'	3° 11' S.	3° 11' S	1/2 "	0° 57' W	30° 14'	34° 47' West.

H.	K.	H.K.	Courses.	Winds.	L. W.	Remarks on Sunday March 24 th
1	3		NW	SE by S		Begins with a moderate breeze & pleasant weather. all sail set.
2	3					
3	3					
4	2	6				
5	2	6				
6	3					
7	4					
8	3	6				
9	4					
10	4					Middle part moderate
11	3	2				
12	3	2				
1	3		NW by W			At 1 A.M. in steering sails & hoisted up.
2	2					
3	3		NW	N East.		
4	3	4				
5	3					At 4 set them again -
6	3					
7	3					
8	3	4	NW by W	N E by E		At 12 meridian in steering sails.
9	3		NW by W			Ends Cloudy.
10	2					
11	1	4				
12	1	4				Lat Obs. 2° 08' S.

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 30° W	71'	61'	36'	2° 10' S.	2° 08' S	1/2 "	0° 36' W	30° 50'	35° 28' W.

Out 44 days.

Brig Chase from Rio Grande towards Havana.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Monday March 25 th
1	1		N West	NNE		Begins with light winds & cloudy weather.
2	1					
3	1					
4	2		NNE	SSE		At 3 P.M. squared the yards.
5	1					
6	1					
7	1					At 7 braced up again.
8	1					
9	1	4				
10	2					Middle part Calm.
11	3			ESE		
12	Calm					
1		6	N West	NNE		At 6 A.M. set the fore top mast & top gallant steering sails.
2		4				
3		4				
4		4				At 9 A.M. discovered a sail from the mast head steering to the Northward & Westward.
5		4	NNE	East		
6	1					
7	2					Ends pleasant with all drawing sails, set.
8	1	4				
9	2					
10	2					Lat Obs ^d 1° 39' South
11	1	4	NNE	East		
12	1	4				

Course	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 33° W	29'	24'	16'	1° 44' S.	1° 39' S.	1/2° W.	0° 16'	31° 06'	35° 39' West.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Tuesday March 26 th
1	1		NNW	ESE		Begins with light air & pleasant weather.
2	1					
3	2		NW by W			
4	1		NNW	ESE		Middle part Squally.
5	Calm					
6						
7	2					Latter part pleasant with gentle breezes. & so it ends.
8	2					
9	2	4		ESE		
10	2	4				the sail. Abeam of us. to leeward
11	2	4				
12	2	4				
1	2					Lat Obs ^d 1° 03' South
2	3					
3	3					
4	1					with all sail set.
5	Calm					
6	2	4		NNE		
7	2	4				the sail. Abeam of us. to leeward
8	2	4				
9	3					
10	3					Lat Obs ^d 1° 03' South
11	3					
12	3					

Course	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 28° W	47'	41'	22'	0. 58' S.	1° 03' S.	1/2° W.	0° 22'	31° 28'	36° 01' West.

Out 46 days

Brig Chase from Rio Grandetowards Havana.

H.	K.	H.K.	Courses.	Winds	L. W.	Remarks on Wednesday March 27 th
1	2	4	N ^W W	E ^{SE} E	1/4 th	Begins with light Winds & pleasant Weather.
2	2					
3	1	4				
4	1	4				
5	2	6	N ^W by N	N ^W by E		
6	3					
7	3	4	N ^W W			
8	1					
9	4					
10	4					
11	3					Middle part gentle breezes. & pleasant.
12	3					
1	3					
2	3					
3	3					
4	3	4				
5	3					
6	3					
7	3					
8	3					
9	3	4	N ^W W 1/2 E			Latter part the same. & so it Ends. the Brig out of sight.
10	3	4				
11	3		N ^W W			
12	2					

Latitude Obs^d 0° 04' S.

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 32° W	72	61' N	38'	0° 02' S.	0° 04' S.	1/2 th W	0° 38'	32° 06'	36° 39' West.

H.	K.	H.K.	Courses.	Winds.	L. W.	Remarks on Thursday March 28 th
1	2		N ^W W	N ^W by E	1/2 th	Begins With a moderate breeze & pleasant Weather. crossed the equator about 3 ^h 30 ^m P.M. so we are once more in north latitude.
2	1	4				
3	1					
4	1					
5	2	4				
6	2	4				
7	3					
8	3					
9	3					
10	3	4				Middle part gentle breezes. & Cloudy.
11	4					
12	3	4				
1	3					
2	3					
3	3					
4	3					
5	4	4				
6	4	4				
7	3					Latter part the same. & so it Ends.
8	2	4				
9	2					
10	1	6				
11	2					
12	2	6				

Lat Obs^d 0° 18' North

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 34° W	65	54'	36	0° 58' N	0° 48' N	1/2 th W	0° 36'	32° 42'	37° 15'

Out 48 days.

Brig Chase from Rio Grande towards Havana.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Friday March 29 th
1	3	1	NW	N by E 3/4 W		Begins with Moderate breeze & pleasant weather.
2	4					
3	4					
4	4					Longitude by Lunar at 2 P.M.
5	3	6				was 39° 20' 45" West.
6	4					
7	3	4				
8	4					
9	5					
10	5	4				
11	5	4				Middle part fresh breeze & Squally.
12	5					
1	4	4				in all steering sails.
2	4					
3	4					
4	4					
5	4	4				
6	4					Latter part the same. Ends
7	4					raining & Squally.
8	4					
9	4			N East.		Fresh & Squally N. East-trades.
10	4					
11	4	4				Latitude Obs ^d 2° 14' N
12	4	4				

Course	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 3/4 W	102	82'	61'	2° 10' N	2° 14' N	1/2 W	1° 01' W	40° 21'	

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Saturday March 30 th
1	4		NW by E	N East.	1st	Begins with Squally weather
2	3	4				took in the Royal & main top
3	3	4				mast staysail.
4	3	4				
5	4					At 4 set them again.
6	4					
7	4		NW 1/2 W			
8	4					
9	4	6	NW by E			
10	5					
11	5					Middle part fresh Breeze &
12	4	6				passing Clouds.
1	5					
2	5	4				
3	5	4				
4	5	4				
5	4	6				Latter part the same. &
6	4	6				so it Ends.
7	4	4				
8	4	4				
9	4	4				
10	4	4				
11	4	4				
12	4	4				Latitude Obs ^d 3° 21' N

Course	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 47° W	111'	76'	83'	3° 30' N	3° 27' N	1/4 W	1° 23' W	41° 44'	

Out 50 days.

Brig Chase from Rio Grande towards Havana.

H.	K.	H.K.	Courses.	Winds.	L. W.	Remarks on Sunday March 30
1	4	6	NW by N	N East		Begins with fresh breezes & pleasant weather.
2	4	6				
3	4	6				
4	4	6				
5	4	4	NW by N	N by E		At 8 P.M. set the fore topmast steering sail.
6	4	4				
7	5					
8	5					
9	5	4	NW by N			
10	5	4				
11	6					
12	6					Middle part fresh breeze.
1	5	6				
2	5	6				
3	6					
4	5					
5	6					Latter part the same. & so it ends.
6	6					
7	5		NW by N			
8	5	4				
9	6					
10	6					
11	6					
12	6					

Latitude Obs^d 5° 17' N

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 32° W	131'	108'	74'	5° 15' N	5° 17' N	1/4° W	1° 14' W	42° 58' West.	

H.	K.	H.K.	Courses.	Winds.	L. W.	Remarks on Monday April 1 st
1	5	6	NW by N	N East		Begins with fresh breezes & pleasant weather.
2	5	6				
3	6					
4	6			N by E		
5	6	4				At 8 P.M. took in the fore top gallant steering sail.
6	6	4				
7	6	4				
8	6					At 10 took in the fore Royal
9	6	6				
10	6	6				
11	7					
12	7					Middle part fresh Breeze & Cloudy.
1	7					
2	7					
3	6	4				
4	6	4				At 2 a.m. furled the main top gallant sail. At 7 sent down the main top gallant yard, to rep the sail. repaired it. At 9 sent it aloft. At 9.30 set all light sails.
5	6	6				
6	6	6				
7	6	4				
8	6	4				
9	6	4				
10	6	4				Ends pleasant with fresh N.E. trades.
11	6	6				
12	6	6				

Lat Obs^d 7° 28' N

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 37° W	156'	125'	93'	7° 22' N	7° 28' N	1/4° W	1° 33' W	44° 31' West.	

Out. 52 days

Brig Chas from Rio Grande towards Hacoma

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Tuesday April 2 ^d
1	6		by	E N E		Begins with fresh Breezes & pleasant weather.
2	6					
3	6					
4	6					
5	6					At 8 P.M. took in the fore top gallant steering sail; & royal.
6	6					
7	6	6		N East.		
8	6	6				
9	7					
10	7					Middle part fresh Breeze & Squally.
11	7					
12	7	4				
1	7	4				At 2 A.M. took in the main top gallant sail. & main top mast stay sail. At 4 took in the fore top mast steering sail. & fore top gallant sail.
2	7	4				
3	7					
4	7					
5	6					At 9 A.M. reefed the main top sail. At 10 let the fore top gallant sail. Ends squally.
6	5	6				
7	5	6				
8	5	6				
9	6	4	N West.			
10	6					
11	5	4				
12	6					

I expect we have run off our course, for which I allow 1 point.

Lat Obs^d 9° 03' N

Course	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 47° W	154	105'	112	9° 06'	9° 03'	none.	1° 53'	46° 24' West.	

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Wednesday April 3 ^d
1	6		N West.	E N E		Begins with fresh breezes. & Squally from the N. East With light Rain.
2	6					
3	6					
4	5	4				At 1 P.M. found our fore top mast, was sprung 4 feet above the Cap.
5	5	6				
6	5	6				
7	5	6				At 11 lured top gallant sail.
8	6	6				
9	6	4				
10	6	4				Middle part Squally.
11	6	4				
12	6	4				
1	6	4				
2	6	4				
3	6	4				At 7 A.M. shook the Reef out of the main top sail. & let top gallant sails.
4	6	4				
5	6					
6	3					
7	6	4				Ends Cloudy. the Watch employe fitting a breast back stay.
8	6	4				
9	6					
10	6					
11	6					
12	6					

No Observation.

Course	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 47° W	147	104'	104	10° 47'	none.	none.	1° 45'	48° 09' W.	

Out 54 days.

Brig Chase from Rio Grande towards Havana

H.	K.	H.K.	Courses.	Winds	L.W.	Remarks on Thursday April 4 th
1	6		N West.	E N E		Begins with fresh breezes & cloudy weather.
2	6					
3	6	4				
4	6	4				
5	6					
6	6					At 6 P.M. set the fore top mast steering sail & staysail.
7	5	6				
8	6					
9	6					At 10. Squally took them in & becketed the fore royal.
10	6	4				
11	6	4				
12	6	4				
1	6					Middle part flavy with passing clouds.
2	6					
3	6					
4	6					
5	6					
6	5	6				At 9 A.M. set the royal & staysail.
7	5	6				
8	5	6				
9	6	4				
10	6	4				Ends pleasant with a fine breeze.
11	6	4				
12	6	4				Lat Obs 12° 27' S

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 45° W	146'	103'	103'	12° 30'	12° 27'	none	1° 45'	49° 54'	West.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Friday April 5 th
1	6		N W 1/2 W	E N E		Begins with a fine Breeze & pleasant weather.
2	6					
3	6					
4	6					
5	6					At 1 P.M. set the fore top mast steering sail.
6	6					
7	6					At 2 set the lower & top gallant steering sails.
8	6					
9	6					
10	6					At midnight in all steering sails.
11	5	6				Royal & staysails.
12	5	6				
1	5	6				Middle part squally with light rain.
2	6					
3	6					
4	6					
5	6					
6	5	4				At 8 A.M. set all steering sails royal & staysails.
7	5	4				
8	6					
9	6					Ends with fine breeze & pleasant weather.
10	6					
11	6					
12	5					Lat Obs 13° 49' S

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 43 1/2° W	141'	84'	113'	13° 51' S	13° 49'	none	2° 56' W	51° 50'	West.

Out 56 days.

Brig Chase from Rio Grande towards Havana.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Saturday April 6 th
1	6		NW 1/2 W	ENE		Begins with fine breeze & pleasant weather. All sail set.
2	6					
3	6					
4	6					
5	6					
6	6					At 7 P.M. squally in all steering
7	6					sails. At 8 caught a fine Dolphin
8	6					At 9 in royal main top gallant
9	6	4				sail. & main top mast staysail.
10	7					
11	7					
12	6	4				Middle part fresh breeze & squally.
1	6					
2	6					
3	6	4				At 3 A.M. set the royal & staysail. & top gallant sail.
4	7					
5	7					
6	6	4				At 5 set all steering sails.
7	6	4				Ends pleasant with passing clouds.
8	6	4				
9	6					
10	6					
11	6	4				
12	6	4				Lat Obs ^d 15° 17' N.

allowing 1/4 hr to the Westward for running off

Course	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 53° 15'	152	91'	122	15° 20'	15° 17'	none	2° 06'	53° 56'	West.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Sunday April 7 th
1	6		NW 1/2 W	ENE		Begins with fresh breeze & pleasant weather.
2	5	4				
3	5	4				
4	5	4				
5	5	4				At 9 P.M. squally in steering
6	6					sails. royal. & staysail.
7	5	6				
8	5	6				
9	5	6				
10	6					Middle part fresh breeze & squally.
11	5	4				
12	6					
1	6					
2	5	4				At 5 A.M. set the steering
3	5					sails. royal. & staysail.
4	5			ENE		
5	5					
6	4					Latter part moderate breeze & pleasant. Ends with all
7	4	4				sail set. This day saw gulf weed for the first time this passage.
8	5					
9	5					
10	5					
11	4					
12	4					Lat Obs ^d 16° 36' N.

Course	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 44° 15'	126	80'	97	16° 37'	16° 36'	none	1° 41'	55° 37'	West.

Alt. 58 days.

Brig Chase from Rio Grande towards Havana.

H.	K.	H.K.	Courses.	Winds.	L. W.	Remarks on Monday April 8 th
1	4	4	NW ¹ / ₂ W	ESB.		Begins with moderate breeze & pleasant weather. All sail set.
2	5					
3	5					
4	4			East.		
5	4					
6	4	4				Middle & latter part the same.
7	5					
8	4	6				
9	5					
10	5	4				
11	5					And so it ends. Allowing 1/2 pt off.
12	5	4				
1	5	4				
2	5	6				
3	5	6				
4	5	4				Lat Obs ^d 17° 39' N.
5	5					
6	5					
7	5					
8	4	6				
9	4					
10	4					
11	4					
12	4					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 56° 11' W	116'	64'	97'	17° 40' N	17° 39' N	none	1° 41'	57° 18' West.	

H.	K.	H.K.	Courses.	Winds.	L. W.	Remarks on Tuesday April 9 th
1	4		NW ¹ / ₂ W	East.		Begins with a fine breeze & pleasant weather.
2	3					
3	3					
4	3					
5	3					
6	4					Middle part Squally.
7	4					
8	5					
9	5					
10	5					
11	5					Latter part the same. Ends Cloudy. Allowing 1/4 pt off.
12	5					
1	5					
2	5					
3	5					
4	5					Lat Obs ^d 18° 45' N.
5	5					
6	6					
7	5					
8	5					
9	5					
10	5					
11	5					
12	5					

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 42° 11' W	111'	66'	89'	18° 45' N	18° 45' N	none	1° 34'	58° 52' West.	

Out 60 days.

Brig Chas from Rio Grande towards Havana.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Wednesday April 10 th
1	4	4	NW by W	ESE.		<p>Begins with a fine breeze & Cloudy weather.</p> <p>At 1 P.M. got the jib on deck repaired it & bent it again.</p> <p>Middle part Oqually.</p>
2	5					
3	3	1				
4	3	4		ENE.		
5	4					
6	4	4				
7	4	4				
8	4	4				
9	4	6				
10	4	6				
11	5					
12	5					
1	5					<p>Latter part pleasant with passing clouds.</p> <p>At 11. A.M. saw a ship standing to the Southward & Westward. Ends Cloudy.</p> <p>All sail set.</p> <p>Lat Obs 19°</p>
2	4	4				
3	4	4		ENE.		
4	4	4				
5	4	4				
6	3	4				
7	4	4				
8	4	4				
9	4	6				
10	5	6				
11	6					
12	6					

Course	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 59° W	110'	57' N	94'	19° 42' North	19° 40' North	none	1° 10' West.	60° 32'	West.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Thursday April 11 th
1	5	6	NW by W	ENE.		<p>Begins with a fine breeze & pleasant weather.</p> <p>All sail set.</p> <p>Middle part the same</p> <p>And so it Ends.</p> <p>Latitude Obs 20° 57'</p>
2	5	6				
3	5	6				
4	5	6				
5	6					
6	6					
7	6	4				
8	6	4				
9	6					
10	6					
11	5	4				
12	5	6				
1	6					<p>Lat Obs 20° 57'</p>
2	6	4				
3	6					
4	6					
5	6					
6	6					
7	6					
8	6					
9	5	6				
10	5	4				
11	5	4				
12	5	4				

Course	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 59° W	142'	79' N	118'	20° 59' N	20° 57' N	none	2° 06' West.	62° 38'	West.

Out 62 days.

My Chase from Rio Grande towards Havana.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Friday April 12 th
1	5	4	by 1/2	W	1/2	Begins with a fine breeze
2	5	4		E by S	1/2	Pleasant weather.
3	5	4				
4	5	4				
5	4	6				
6	4	6				
7	5	4				
8	5	6				
9	6					Middle part pleasant
10	6					
11	5	4				
12	5	6				
1	5	6				
2	6					
3	6					
4	5	4				And Ends the same with
5	5					all sail set.
6	4					
7	4	4				
8	4	4				
9	4	4				
10	4	4				
11	4					
12	4					

Latitude Obs. 21° 41'

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S 5 3/4 W	12 1/4	53'	112	21° 50'	21° 47'	none	2° 00'	64° 38'	West.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Saturday April 13 th
1	3	1	by 1/2	E by S		Begins with a moderate
2	3					breeze & pleasant weather.
3	3	4				all sail set.
4	3	4				
5	3					
6	4					
7	4	5				
8	4			E & E		
9	4	4				
10	4	6				Middle part the same.
11	5					
12	5					
1	5					
2	4			E & East		
3	4					
4	4					
5	4					
6	4					And so it ends.
7	4					
8	4					
9	4					
10	4					
11	4					
12	4					

Lat Obs. 22° 31'

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 5 1/2 E	46'	86'	86'	22° 33'	22° 30'	none	1° 33'	66° 15'	W.

Out 64 days.

Brig Chase from Rio Grande towards Havana

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Sunday April 14 th
1	3	6	W by N	E & E		Begins with a moderate breeze
2	4			E & E		& pleasant weather.
3	4					
4	4			E & East		All sail set.
5	3	4				
6	3	4				
7	3	4				
8	3	4				
9	4					
10	4	4				Middle part the same
11	4	4				
12	4	4		E by S		At 10 M. squared the yards
1	4	4				
2	4	4				
3	4	6				
4	4	6				
5	5					And so it ends.
6	5	4				remarkable, fine weather.
7	5	6				7 miles to the Northward of our port.
8	5					
9	4					
10	4					
11	4					
12	4					Lat Obs 23° 16' N

Course	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 5 1/2 E	103	49'	91'	23° 19'	23° 16'	none	1° 39'	68° 10'	West.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Monday April 15 th
1	4		W by N	E & E		Begins with a moderate breeze
2	4			E & E		& pleasant weather.
3	3	4				
4	3	4				At 3 P.M. sighted Ship.
5	3			S E by E		At 7 sighted again.
6	3					
7	3					
8	3	4				
9	3	4		E by S		
10	3	6				
11	4					Middle part fine weather
12	4					
1	5					
2	5	4				At 7 A.M. sighted Ship.
3	5	4				
4	5	4				
5	5					Ends with a light breeze
6	5					& pleasant weather.
7	5			S E by E		
8	5	4				Longitude by Lunar at 9.40 M.
9	5					was 72° 33' West.
10	4	6				
11	4					Lat Obs 23° 51' N
12	3	4				

Course	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 6 1/2 W	102	39'	94'	23° 53'	23° 51'	none	1° 43'	69° 53'	72° 04' W

At 6 days.

Brig Chase from Rio Grande towards Havana.

H.	K.	H.K.	Courses.	Winds	L. W.	Remarks on Tuesday April 16 th
1	2	4	NW by W	SE by E	1/2 hr	Begins with light breezes &
2	2	4			too	pleasant weather.
3	3					all sail set.
4	3	4				
5	3	4				
6	3					
7	4	4				
8	4	4				
9	5					Middle part fine breeze
10	5					& pleasant with passing clouds
11	5	4				
12	5	4				
1	5	4				
2	5	4				
3	5	4				
4	5	4				Ends pleasant with a fine
5	5	4				breeze all sail set.
6	5	4				
7	5	4				
8	5					
9	4	4				Longitude by Lunar at 9 A.M.
10	4	4				was 73° 45' West.
11	4	4				
12	4	4				Latitude by 25° 02' N.

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 4 1/2 W	110'	70'	85'	25° 01'	25° 02'	none	1° 33'	71° 26'	73° 47' West.

H.	K.	H.K.	Courses.	Winds.	L. W.	Remarks on Wednesday April 17 th
1	5		W by N	E by E		Begins with a fine breeze
2	5					& pleasant weather.
3	4	6				At 2 P.M. Jybed Ship.
4	4	6				
5	5					
6	5					
7	5					
8	5					
9	5	4				Middle part fine breeze
10	5	6				& pleasant weather.
11	5	6				
12	5	6				
1	5	4				
2	5					
3	5					
4	5	4				Latter part the same.
5	5					& it ends. This day got
6	4	6				the anchors on the ship.
7	4	4				& bent the cables.
8	5	4				
9	4					Longitude by Lunar at 9 A.M.
10	4	4				was 75° 35' West.
11	4	4				
12	4					Lat by 25° 15' N.

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 6 1/2 W	118'	46'	108'	25° 48'	25° 45'	5° E	1° 59'	73° 25'	75° 46' W

Out 6 days.

Big Chase from Rio Grande towards Havana.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Thursday April 18 th
1	5		West.	S East		Begins with a fresh breeze & pleasant weather.
2	6					
3	6					
4	6					All sail set.
5	5	6				At 8 P.M. in all light sail.
6	4	4				At 10 lay by head to the Northward & Eastward.
7	5	6				
8	5	4				
9	5	4				Middle part pleasant.
10	5	4	lay by head			At 2 A.M. wore ship
11	1		East			head to the Southward & Westward.
12	1		West			At 5 A.M. made sail head West.
1	1		lay by head			At 6.30 saw the land bearing S.W. by W. 1/2 N. it was the Island of Abaco.
2	1		lay by head			At 7 saw 2 sail standing to the Westward, they run us half down in 6 hours.
3	1		lay by head			At 10 saw the hole in the wall, bearing N.E. by N.
4	1		lay by head			
5	1		lay by head			
6	4		West			
7	3		S West			
8	2					
9	5		S.W. by S			
10	5	2	W.S.W.			
11	5	2	W by S			
12	5	2				

Course	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S 88° W	86'	0° 03' South	86'	25° 42' North	25° 48' North	1/2 East	1° 36'	75° 01'	77° 22' West.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Friday April 19 th 1822
1	4	4	W by S	S East		Begins with a fine breeze & pleasant weather.
2	4	4	W by S			At 2 P.M. saw the Berry Islands bearing N. by E. At 4 they bore South.
3	4	4	W by S			At 6 took in steyring sails.
4	4	4	W by S			At 9 came on the bank.
5	5	4	S West			Middle part fresh breeze & pleasant weather, running over the great Bahama bank. Water from 7 to 2 fathoms.
6	5	4				
7	6					
8	6					
9	5		SSW 1/2 W			
10	5					
11	5					
12	3		West			
1	5	4	W by S			At 9-30 saw land bearing N. West. bore away to ascertain what it was, made it out to be the Orange keys. At 10:30 they bore, N.W. 1/2 W. 6 miles.
2	5	4	W by S			At 11 in blue water again.
3	5	6				
4	5	6				
5	6					
6	7					
7	7					
8	7					
9	6					
10	5	4	W by S			Ends pleasant with a fine breeze
11	5	4	S West			
12	5	4				Lat 24° 51' N.

Course	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S 62° W	125'	39'	110'	24° 46' N.	24° 51' N.	1/2 East	2° 02'	79° 24' West.	

Out 70 days.

Brig Chase from Rio Grande towards Havana

H.	K.	H.K.	Courses.	Winds	L.W.	Remarks on Saturday April 20
1	5	4	S West	S East	00	Begins with a fine breeze & pleasant weather.
2	5	4				
3	5	4				
4	4	4	S S West		1st	At 2 P.M. saw a schooner standing to Northward & Eastward
5	4					At 3 having run the distance from the Orange keys to the double headed shot keys & not seeing them concluded we must have been mistaken in the land & sure enough we had been steering into the Gulf so we hauled on a wind. Until 1.30 A.M. when we tacked & hauled up the fore sail. bore the main top sail to the mast & lay by until 4 A.M. we tacked ship & steered S by S. At 6 saw the land bearing from S by W to S W by S. At 8 the west part of it bore S S W. At 9.30 the dog keys bore S East At 12 the water keys bore South. & the dead man's chest bore S by W. Ends pleasant.
6	3	5	The White S 1/2 W	S E		
7	3	6				
8	3	6				
9	3					
10	3	4				
11	3	6				
12	3	6	tacked ship		5	
1	3		Lay by			
2	3		up			
3	1		S by E			
4	1		tacked ship		1	
5	3	4	S by S			
6	3	4				
7	4					
8	4	4	S West		00	
9	4	4				
10	4	4				
11	4	4	S W by N			
12	4	4	W S W			

Lat 24° 24' N.

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S 41° 16' E	81'	61'	53'	23° 50' N	24° 19' N	1/2° East	0° 58'	80° 22' West	

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Sunday April 21 st
1	4		S by W	S E		Begins with a fine breeze & pleasant weather.
2	3					
3	3					
4	3	4	W S W	East		At 2 P.M. saw the double headed shot keys bearing S West.
5	4	2				At 4 P.M. in double headed shot bore S by W dist 14 miles.
6	4					At 6 the westernmost of the double headed shot keys bore S by W dist 3 leagues.
7	4	4				Middle part fine breeze & pleasant weather.
8	3					
9	4					
10	4					
11	5	4				
12	5	4				
1	5	4				
2	5					
3	4	4				
4	4	4				
5	2	4	S West			At 7 A.M. spoke the sloop Susan from Savannah bound to New Orleans. At 8 saw a brig standing to the Southward & Westward. At 9 in all steering tacks & hauled up. Ends pleasant.
6	2	4				
7	2	4	S by S			
8	2	4				
9	2	4	S W by N			
10	2	4				
11	2					
12	1	4				

Lat 23° 44' N.

Course.	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S 67° W	84'	32'	78'	23° 37' N	23° 44' N	1/2° East	1° 25'	81° 47' West	

Out 7 1/2 days.

Brig Chase from Rio Grande towards Havana.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Monday April 22.
1						Begins with a light air &
2						pleasant weather.
3						
4	2		S ^W 1/2 W	W ^N 1/2 W	1/2	At 2 P.M. saw a sail Astern of us steering to the westward.
5	2					
6	3					At 10 A fresh Breeze from the
7	4	4				Northward.
8	2	4	tack'd Ship.			
9	2		S by W			Middle part Squally & raining
10	2					At 1 A.M. faked top gallant sails.
11	3					
12	3					At 4 single reef'd the top sails &
1	4		W 1/2 S	N ^N W	1 1/2	main sail.
2	4	4				
3	4	4	West.			At 7 saw 2 sail to the Southward
4	5					of us. double reef'd top sails.
5	5	4				At 7 30 saw the Island of Cuba
6	6		S by W		00	bearing S 1/2 W. At 12 the same
7	6	4	W 1/2 W	North.		bore S E by S. (A very strong Easterly
8	6	4				Ends Cloudy. Current.)
9	6					
10	6					
11	6					
12	5		S West.			Latitude Obs ^d 23° 33' N

Course	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S 79° 0'	72'	14'	71'	23° 30'	23° 33'	1/2 W East	1° 18'	83° 05'	W ^N 1/2 W.

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Tuesday April 23.
1	5		S 1/2 W	N ^N E	00	Begins with a fresh breeze &
2	3		East.			cloudy weather.
3	2					At 2 Judged ourselves to be to
4	2					the Westward of our port. hauled
5	3		S ^N W by E			on a wind & stood to the Eastward.
6	3	4	E S E			At 2 P.M. out all reefs.
7	3	4	N ^N W			At 6 P.M. the Easternmost Land in
8	3	4				sight bore E by S 1/2 S. & the Westernmost
9	3	6				W. S. Middle part Cloudy with
10	3	6				a fresh breeze. tack'd & tack'd about
11	3	4	S by S			the whole night. At day light saw a big
12	3	4				standing to the Westward. At 5 A.M. saw
1	1	4	N ^N W			the Land bearing S by E dist 25 miles.
2	3	4	N ^N W 1/2 S			At 10 A.M. stand saw a Ship standing
3	3	4				towards us. lay by to speak her. She passed
4	3	4	E S E			us standing to the Westward. She was a
5	3	6				Spaniard. At 12 wore Ship & steer'd to
6	3	6	S 1/2 E	N ^N E by E		the Westward. Set top gallant sails &
7	3	6				steering sails. At 12 the gran of
8	3	6				Montanzas bore S by W.
9	3	4				Ends Pleasant. Lat Obs ^d 23° 20' N.
10	3	4				
11	Lay by	4	W S W			
12	5	4	W S W	N ^N E	00	

Course	Dist.	Diff. Lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S 65° 0'	5'	2'	4'	23° 31'	23° 20'	1/2 W East	0° 05'	83° 00'	W ^N 1/2 W.

Out 74 days.

Brig Chase from Rio Grande towards Havana.

H.	K.	H. K.	Courses.	Winds	T. W.	Remarks on Wednesday April 24
1						Begins with a fine breeze &
2						pleasant weather, running along
3						shore for the Havana at 4 P.M.
4						the fan of Mantanzas bore S. by E.
5						At 6 P.M. in all steering sails, &
6						single reefed top sails, & stood off
7						& on shore during the night.
8						At daylight found ourselves, as far
9						to the Eastward as we were yesterday
10						at 2 P.M. and about 25 miles to the
11						Northward. At 8 A.M. the Westernmost
12						land in sight bore S. W. by S. & the
1						Easternmost S. by E. the fan of
2						Mantanzas bore S. by E. dist 25 miles
3						At 12 meridian the Westernmost
4						land in sight bearing W. by S. the
5						Moro. bearing W. by S. dist 10 miles.
6						Saw several sail flying in & out of
7						the Havana. Bore pleasant.

[illegible]

H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks on Thursday April 25 1822.
1						Begins With a fine breeze &
2						pleasant weather
3						
4						At 2 P.M. let go our larboard
5						anchor. Aboard of the Moro Castle.
6						parted the chain. let go the other
7						anchor. & brought her up. the wind
8						blowing down, could not get any farther
9						up. So we got out the long boat
10						& weighed our anchor. Sent down
11						top gallant yards, masts &c.
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
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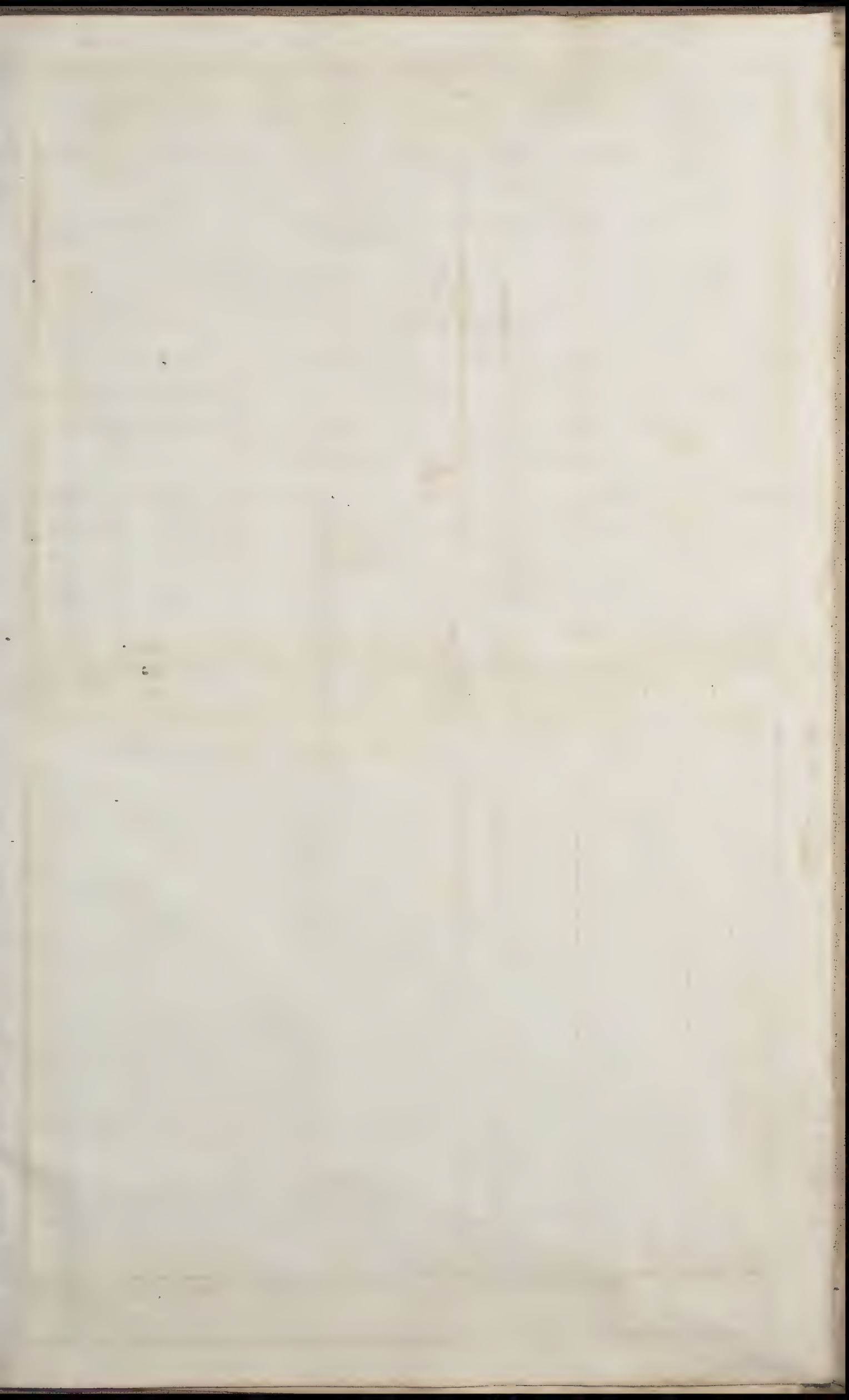
towards

H.	K.	H.K.	Courses.	Winds	L.W.	Remarks
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H.	K.	H.K.	Courses.	Winds.	L.W.	Remarks
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Course & Distance from the Cape of Good Hope
in the Latitude of $34^{\circ}26'$ South Longitude $18^{\circ}23'E$
and the Island of St Helena, in the Latitude
of $15^{\circ}55'$ South and the Longitude $5^{\circ}51'$ West.

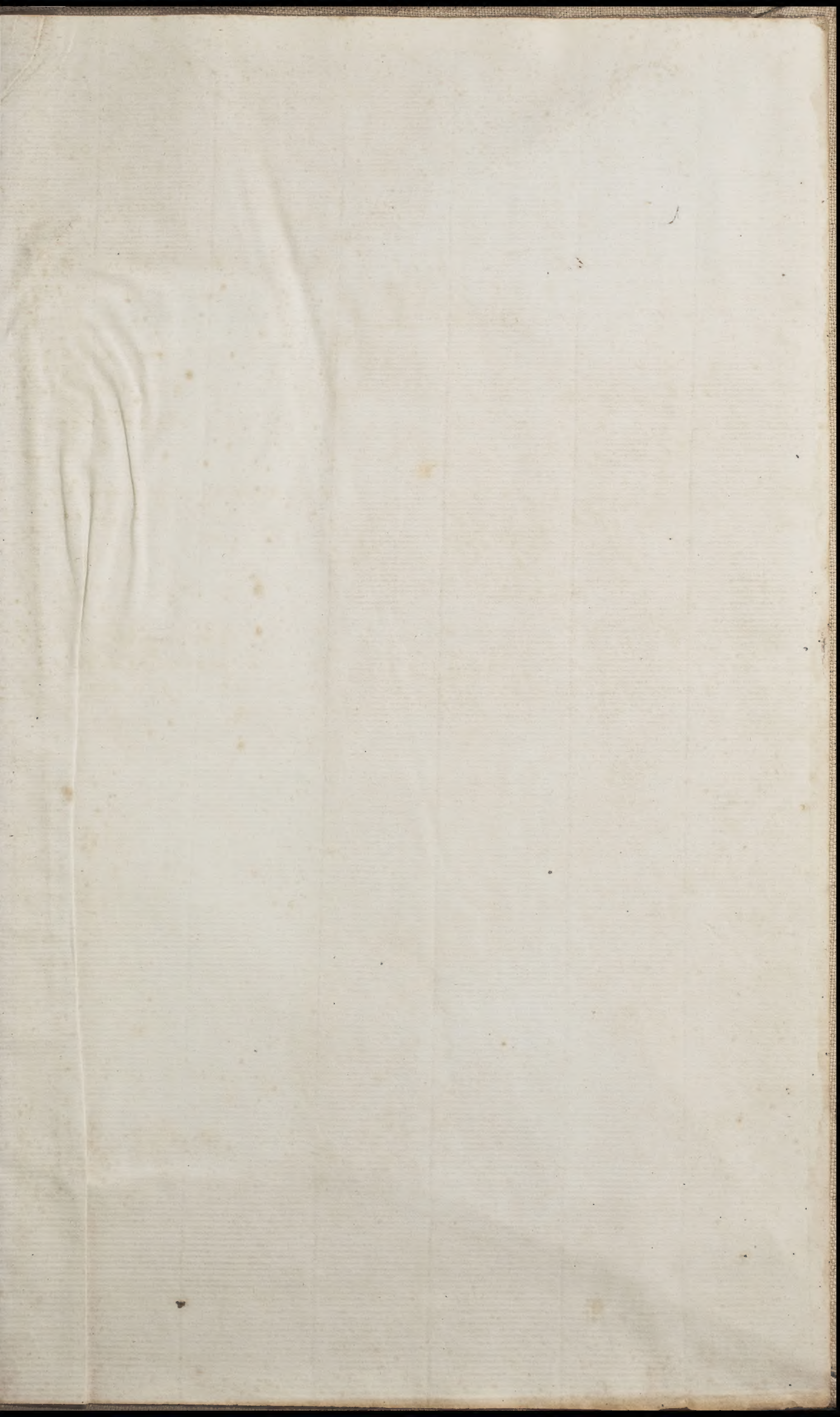
Lat of the Cape - $34^{\circ}26'S$ Meridional parts	Longitude of the Cape $18^{\circ}23'$
St Helena - $15^{\circ}55'S$ Meridional parts	St Helena - $5^{\circ}51'$
<u>$18^{\circ}31'$</u>	<u>$24^{\circ}14'$</u>
2203	60
<u>60</u>	<u>60</u>
Diff Lat 1111 in miles merid	Diff Long 1454 in miles
<u>1235</u>	<u>1716</u>

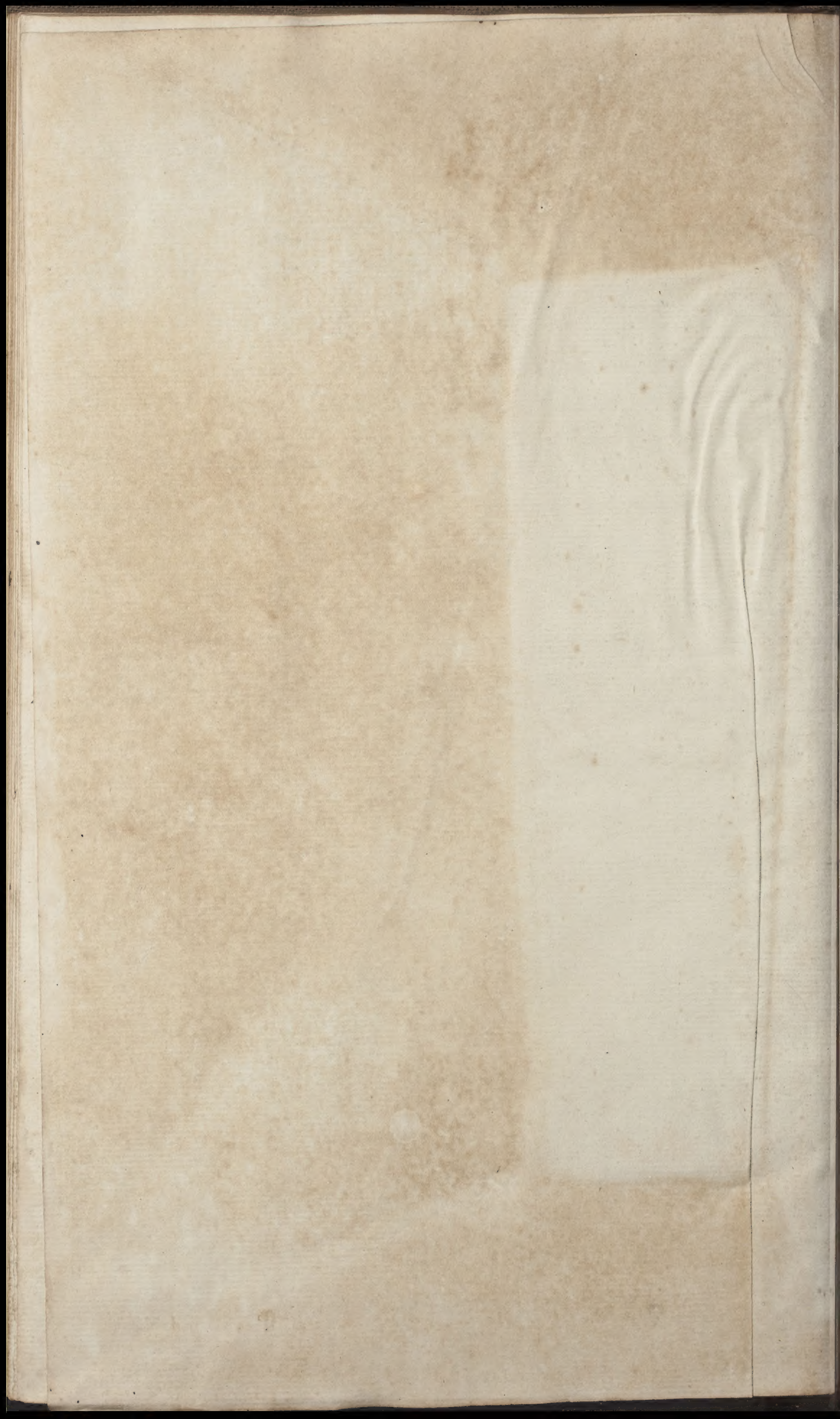
As merid Diff Lat 1235	Logarithms 3.09167	As Radius 45°	Logarithms 10.00000
is to Radius 45°	10.00000	is to Prop ^d Diff Lat 1111	3.04571
so is Diff Long 1454	3.16256	so is Secant of Course $49^{\circ}39'$	10.18879
to Tang of Course $N 49^{\circ}39' W$	<u>10.07089</u>	to the Distance 1716 miles	<u>3.23450</u>

Course & Distance from St. Helena, in the Latitude
of $15^{\circ}55'$ South. and the Longitude of $5^{\circ}51'$ West
and Cape Cod, in the Latitude of $42^{\circ}05'$ North
and the Longitude of $70^{\circ}04'$ West.

Latitude of St Helena $15^{\circ}55'S$	968 Mer Parts	Longitude of St.H $5^{\circ}51'$
Cape Cod $42^{\circ}05'N$	2788 Mer Parts	Cape Cod $70^{\circ}04'$
<u>$58^{\circ}00'$</u>	<u>3756</u> mer Diff Lat.	<u>$64^{\circ}13'$</u>
60		60
Lat 3480 in miles		Long in miles 3853

As merid Diff Lat 3756	Logarithms 3.57473	As Radius 45°	Logarithms 10.00000
is to Radius 45°	10.00000	is to Prop ^d Diff Lat 3480	3.54158
so is Diff of Long 3853	3.58580	so is secant of Course $45^{\circ}44'$	10.15613
to Tang of Course $N 45^{\circ}44' W$	<u>10.01107</u>	to the Distance 4986 miles	<u>3.69772</u>





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